

A/N 09/489,878

OFFICIAL  
PATENTRECEIVED  
CENTRAL FAX CENTERIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Manuvir Das	Examiner:	Kenneth A. Gross
Application No.:	09/489,878	Group Art Unit:	2122
Filed:	January 21, 2000	Docket No.:	50037.42US01
Title:	METHODS FOR ENHANCING POINTER ANALYSIS		

CERTIFICATE UNDER 37 CFR 1.6(d): I hereby certify that this correspondence is being sent via facsimile to (703) 746-7239, Commissioner for Patents, Attn: Examiner Kenneth A. Gross, P.O. Box 1450, Alexandria, VA 22313-1450 on January 2, 2004.

By: *Tracy Gutseifer*  
Name: Tracy Gutseifer

RESPONSE AND PROVISIONAL ELECTION

Commissioner for Patents  
Attn: Examiner Kenneth A. Gross  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Restriction Requirement mailed December 1, 2003, Applicant respectfully submits the following Response and Provisional Election to the Restriction Requirement made by the Examiner under 35 U.S.C. 121. The restriction requirement was made for the following inventions:

- I. Claims 1-36 and 52-56, drawn to a method of analyzing pointers in a program and enhancing pointer analysis, classified in class 717, subclasses 124 and 152.
- II. Claims 37-51, drawn to a specific method of graphing variables in a program, classified in class 717, subclass 156.

The Examiner states that the inventions are distinct, each from the other for the following reasons:

In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because invention I is a general method of analyzing pointers in a program and enhancing pointer analysis, whereas invention II is a specific method of graphing variables in a program on a flow graph for the purposes of enhancing pointer analysis. The subcombination has separate utility such as graphing variables, and finding connections between the variables.

Applicant provisionally elects to prosecute the invention taught by Group I, which corresponds to claims 1-36 and 52-56. Applicants respectfully traverse the restriction requirement with respect to Group II, which corresponds to claims 37-51. Independent claims 37, 40 and 41 are directed to the relationship between two nodes similar to the relationship of claim 1 between two locations. Also, independent claim 47 is directed to a label relationship, also similar to the label relationship of the locations in claim 1. Accordingly, the subject matter of claims 37-51 is substantially related to the subject matter of claims 1-36 and 52-56 such that Applicant believes that there will be no undue burden on the Examiner to also search for the subject matter that is recited in claims 37-51 (Group II).

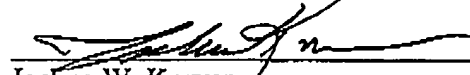
In view of foregoing comments, the restriction requirement with respect to claims 37-51 is traversed and notice to that effect is earnestly solicited. Should the Examiner have any further issues regarding this application, the Examiner is requested to contact the undersigned attorney for the applicant at the telephone number provided below.

MERCHANT & GOULD P.C.  
P.O. Box 2903, Minneapolis, MN 55402-0903



Respectfully Submitted,

MERCHANT & GOULD P.C.

  
Joshua W. Korver  
Registration No. 51,894  
Direct Line: 206.342.6257

**Merchant & Gould**

An Intellectual Property Law Firm

**RECEIVED  
CENTRAL FAX CENTER**

JAN 02 2004

OFFICIAL

3200 IDS Center  
80 South Eighth Street  
Minneapolis, Minnesota  
55402-2215 USA  
TEL 612.332.5300  
FAX 612.332.9081  
www.merchant-  
gould.com

A Professional Corporation

**Fax Transmission** | January 2, 2004

TO: Commissioner for Patents  
Attn: Examiner Kenneth A. Gross  
P.O. Box 1450  
Alexandria, VA 22313-1450

FROM: Joshua W. Korver

OUR REF: 50037.42US01

Total pages, including cover letter: 5PTO FAX NUMBER 1-703-746-7239

If you do NOT receive all of the pages, please telephone us at 206.342.6200, or fax us at 206.342.6201.

Title of Document Transmitted:

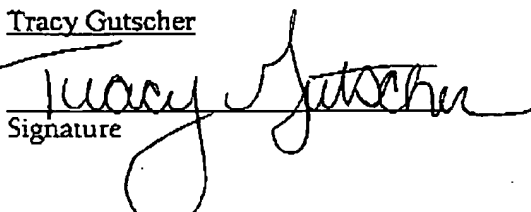
Transmittal (+copy); Response and Provisional  
Election

Applicant: Manuvir Das  
Serial No.: 09/489,878  
Filed: January 21, 2000  
Group Art Unit: 2122  
Our Ref. No.: 50037.42US01  
Confirmation No. 6393

Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate.

By: Name: Joshua W. KorverReg. No.: 51,894

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

Tracy GutscherSignature Date 1-2-04

GEN033.DOT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Manuvir Das	Examiner:	Kenneth A. Gross
Serial No.:	09/489,878	Group Art Unit:	2122
Filed:	January 21, 2000	Docket:	50037.42US01
Confirmation No.:	6393	Due Date:	January 1, 2004
Title:	METHODS FOR ENHANCING POINTER ANALYSIS		

CERTIFICATE UNDER 37 CFR 1.6(d): I hereby certify that this correspondence is being sent via facsimile to (703) 746-7239, Commissioner for Patents, Attn: Examiner Kenneth A. Gross, P.O. Box 1450, Alexandria, VA 22313-1450 on January 2, 2004.

By: Tracy Gutscher  
Name: Tracy Gutscher

Commissioner for Patents  
Attn: Examiner Kenneth A. Gross  
P.O. Box 1450  
Alexandria, VA 22313-1450

**27488**

PATENT TRADEMARK OFFICE

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal Sheet in duplicate containing Certificate Under 1.6(d)  
☒ Response to Restriction Requirement

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.  
P.O. Box 2903, Minneapolis, MN 55402-0903  
206.342.6200

By: Joshua W. Korver  
Name: Joshua W. Korver  
Reg. No.: 51,894  
JWK:tg

(PTO TRANSMITTAL - GENERAL)